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Dec 24, 1996

DERWENT-ACC-NO: 1997-103658

DERWENT-WEEK: 199710

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TITLE: Anti-active oxygen agent for cosmetics, foods and medicines - prepd. by roasting plant seeds and/or germs, fermenting, adding vegetable oil and/or plant seeds and extracting with polar solvent.

PATENT-ASSIGNEE:

ASSIGNEE

CODE

ASAHI BREWERIES LTD

ASAK

PRIORITY-DATA: 1995JP-0147003 (June 14, 1995)

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PATENT-FAMILY:

PUB-NO

PUB-DATE

LANGUAGE

PAGES

MAIN-IPC

JP 08337536 A

December 24, 1996

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A61K035/78

APPLICATION-DATA:

PUB-NO

APPL-DATE

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DESCRIPTOR

JP 08337536A ✓

June 14, 1995

1995JP-0147003

INT-CL (IPC): A23 L 1/30; A61 K 7/00; A61 K 7/48; A61 K 35/78

ABSTRACTED-PUB-NO: JP 08337536A

BASIC-ABSTRACT:

Anti-active oxygen agents for cosmetics, foods and medicines are prepd. by roasting plant seeds and/or germs, fermentation, addn. of vegetable oil and/or plant seeds, extn. with a polar solvent, washing the extract with a non-polar solvent and then treatment with active charcoal, partic. at ratios of 1-4 wt.% to the washed extract.

Pref., at least plant seed (e.g. rice, wheat, barley, soybean and corn) and/or germs (e.g. rice bran and wheat germ) are roasted, mixed with koji mould or yeast and fermented to give anti-active oxygen agents. The fermented prod. is mixed with plant seeds (e.g. safflower, rapeseed, sesame, cotton and olive) and their oils. The mixt. is further treated to give the agents.

USE/ADVANTAGE - The agents are used in amts. of 20-1,000 mg/day as anti-active oxygen agents, 50-500 mg/day as food additives, 10-100 mg/day as cosmetic additives, and 50-500 mg/day as anti-inflammatory agents. The anti-active oxygen agents have a pale colour.

In an example, an anti-active oxygen agent prepd. from a mixt. of soybean, Job's tears, wheat, germ of wheat and rice bran, and sesame oil exhibited anti-oxidative activity against 1,1-diphenyl-2-picrylhydrazyl, a stable radical DPPH, at a rate of 1.75 mol/mg.

CHOSEN-DRAWING: Dwg.0/0

## Record Display Form

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TITLE-TERMS: ANTI ACTIVE OXYGEN AGENT COSMETIC FOOD MEDICINE PREPARATION ROAST PLANT SEED GERM  
FERMENTATION ADD VEGETABLE OIL PLANT SEED EXTRACT POLE SOLVENT

DERWENT-CLASS: B04 D13 D21

CPI-CODES: B04-A10G; B14-C03; B14-S08; D03-H01P; D08-B11;

CHEMICAL-CODES:

Chemical Indexing M1 \*01\*  
Fragmentation Code  
M423 M781 M903 P420 Q220 Q254 Q624 V400 V406

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1997-033254

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